

TRANSMITTAL FORM

In re
Application of: Brady et al.
Serial No.: 08/690,136
Filed: July 31, 1996
For: Process of Adjusting W of
Polyolefin Film

) Before the Examiner
)
) Unassigned
)
) Group Art Unit No.
) 1307



ASSISTANT COMMISSIONER FOR PATENTS
Washington, D.C. 20231

Sir:

- [X] The undersigned hereby certifies having information and a reasonable basis for belief that this correspondence will be deposited as first-class mail with the United States Postal Service in an envelope addressed to Assistant Commissioner for Patents, Washington, D.C. 20231, on May 19, 1997.

Transmitted herewith is a response in the above-identified application.

- [X] Fee for Information Disclosure Statement is \$ -0-

- [] Petition for extension of time pursuant to 37 CFR 1.136 and 1.137 is hereby made to the extent required. The fee for this extension of time is calculated to be \$ _____ to extend the time for filing this response until _____

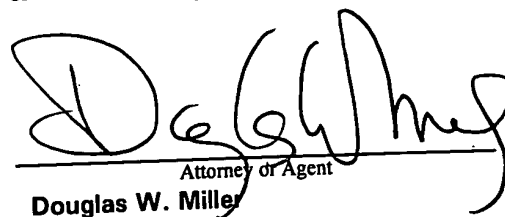
- [X] The total fee for this response and any extension of time is calculated to be \$ -0-

- [] Charge \$ _____ to Deposit Account No. 05-1715.

- [X] The Commissioner is hereby authorized to charge any additional fees which may be required by this paper, or credit any overpayment, to Deposit Account No. 05-1715 or 05-1712. A duplicate copy of this Form is enclosed.

May 19, 1997

Date of Signature


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N.L.
6-11-97
"PATENT"

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of
Brady et al.

Serial No. 38/690,136

Filed: July 31, 1996

Docket No. 96B011/2

For: Process Of Adjusting WVTR Of
Polyolefin Film

Assistant Commissioner for Patents
Washington, D.C. 20231

§ BEFORE THE EXAMINER
§ Unassigned

§ Group Art Unit No: 1307

§ Baytown, Texas

§ May 19, 1997

DR.
6-9-97

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INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with Title 37, Sections 1.56, 1.97 and 1.98 of the Code of Federal Regulations, and pursuant to Applicant's duty of candor and good faith toward the United States Patent and Trademark Office, the Examiner's attention is drawn to the art indicated on the attached PTO-1449 form.

Form PTO-1449 is attached to this paper listing documents submitted in the above related case. It is respectfully requested that these documents be considered by the Examiner and an initialed copy of each form be returned to the Agent of record.

This disclosure statement should not be construed as a representation that a search has been made or that no other material information, as defined in 37 CFR § 1.56(a) exists.

GB 2 285 408 A suggests a breathable film bonded to a non-woven layer where the film is made from a blend of 10-68% by weight of a predominantly linear polyolefin polymer, e.g. linear low density polyethylene, 30-80% by weight filler and 2-20% bonding agent. The film is said to be breathable, e.g. WVTR above 100g/m²/24hrs with a basis weight after orientation less than about 35, more desirably less than about 18 g/m². The linear low density polyethylenes used are conventional Ziegler-Natta (Z-N) polyethylenes.

Accordingly, films formed from said Z-N polyethylenes in combination with a filler (absent the bonding agent) will generally follow the established WVTR relationship for Z-N based filled polyethylenes which is substantially below that of metallocene catalyzed polyethylenes. Additionally the drawdown or drawability of such filled Z-N polyethylenes follows a defined equation based on filler loading which is substantially above filler/metallocene catalyzed polyethylenes.

EP 0 288 021 suggests a precursor micro porous material of a matrix consisting essentially of linear ultra high molecular weight polyolefin which is essentially linear ultra high molecular weight polyethylene and a large proportion of filler constituting about 50-90 percent by weight of the micro porous material.

EP 0 227 037 suggests a process for producing porous film having purportedly high moisture vapor permeability comprising blending 30 to 80 parts by weight of an inorganic fine powder with 20 to 70 parts by weight of a polyolefin resin. Examples given of the polyolefin include polypropylene low density polyethylene, linear low density polyethylene, high density polyethylene and mixtures thereof.

GB 2 290 052 suggests a stretch-thermal film and non-woven laminate. The film is polyolefin based and has an effective gauge of 0.55 mils or less and a cross machine direction to machine direction ratio of Elmendorf tear strength of 3.5 or greater. The polyolefin based films should be based on a polymer that includes at least 50 weight percent polyolefin based on the total weight of polymer. The film also contains a filler, of at least 30 percent based on the total weight of the film.

GB 2 151 538 A suggests a process for producing porous polyolefin films, including blending 100 parts of a polyolefin, the polyolefin being one of polypropylene, low-density polyethylene, high density polyethylene, linear low-density polyethylene, and polybutylene as well as copolymers such as ethylene-propylene copolymers ethylene butene copolymer, ethylene vinylacetate copolymers and blends thereof. Barium sulfate is added to the polyolefin suggested at 50-500 parts by weight. Calcium carbonate may be added in addition to barium sulfate at up to 20% based on the amount of barium sulfate used.

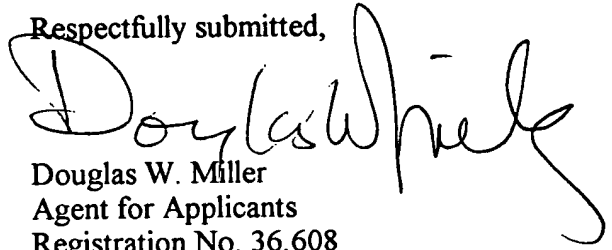
A copy of each document is enclosed. Some of the documents may have markings thereon. No significance is meant to be attached to the markings.

We believe that this disclosure complies with the requirements of 37 CFR § 1.56, 1.97 and 1.98 and the Manual of Patent Examining Procedures § 609. If for any reason, the Examiner considers the disclosure or documents to not comply with these sections, notification is respectfully requested.

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Applicant request that the Examiner contact the Applicant's Agent if there are any matters or issues outstanding.

Respectfully submitted,

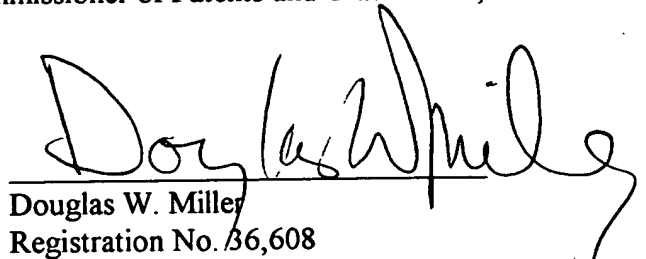


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CERTIFICATE UNDER 37 CFR 1.8(a)

I hereby certify that I have a reasonable basis to expect that this correspondence will be deposited with the United States Postal Service as first class mail in an envelope with sufficient postage affixed and addressed to Commissioner of Patents and Trademarks, Washington, D.C. 20231, on May 19, 1997.



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